



Gulf of Mexico Harmful Algal Bloom Bulletin

14 November 2005

National Ocean Service

National Environmental Satellite, Data, and Information Service

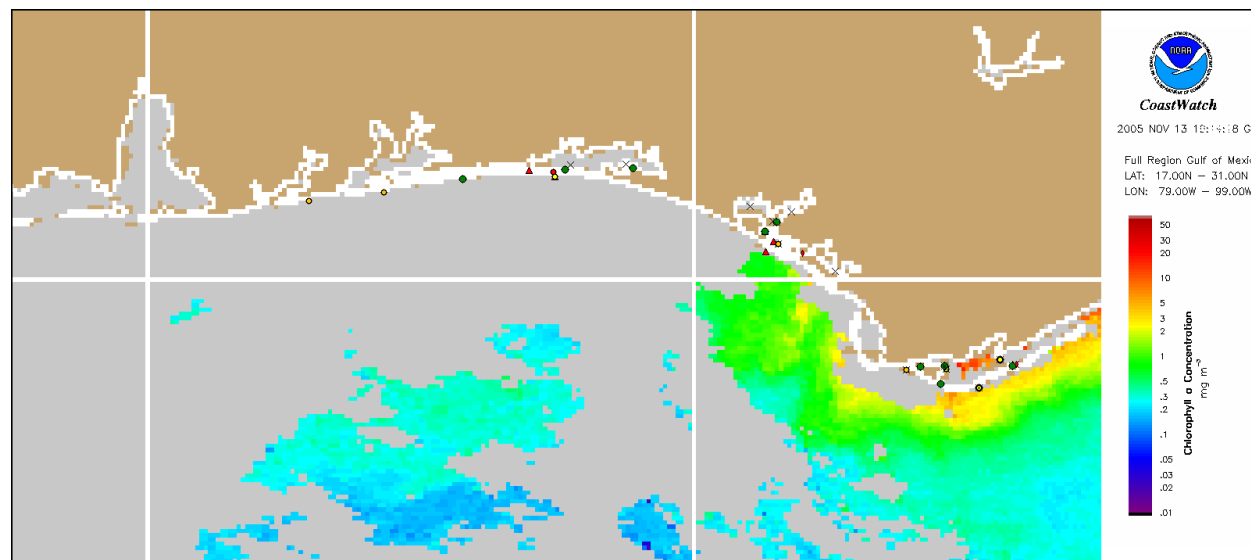
Last bulletin: November 14, 2005

Conditions: Harmful algal blooms have been identified in patches in Dixie, Levy, Sarasota, and Lee Counties. Patchy very low impacts are possible in Dixie, Levy, Lee, and Sarasota counties today through Tuesday, with patchy low to moderate impacts possible Wednesday and Thursday. A second bloom has been identified in patches in Okaloosa, Bay, and Franklin Counties. Patchy very low to low impacts are possible in Okaloosa County, with patchy very low to moderate impacts possible in Bay and Franklin Counties today through Thursday.

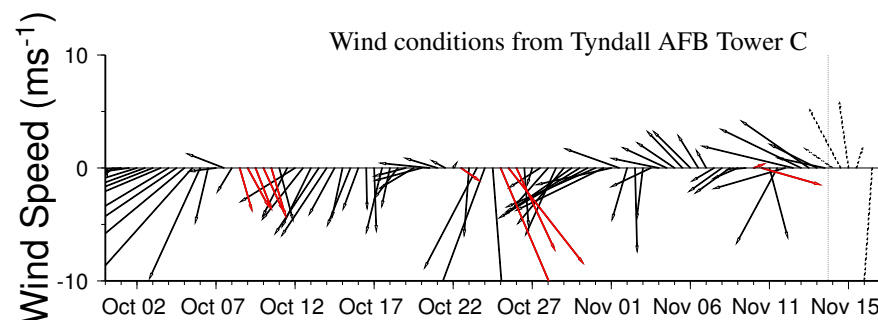
Analysis: Bloom remains in patches from Wakulla to Bay County and in Okaloosa County. Imagery on 11/13 indicates that elevated chlorophyll concentrations ($>10\mu\text{g/L}$) remain around Apalachicola Bay. A high chlorophyll patch ($>10\mu\text{g/L}$) also exists off of Franklin County from $84^\circ 34'W$ $29^\circ 47'N$ to $84^\circ 26'W$ $29^\circ 50'N$. Recent sampling data indicates low to medium *K. brevis* concentrations in Franklin and Bay Counties (FWRI, 11/7-8).

Easterly winds may increase beach impacts in Franklin County. Westerly transport is possible through Thursday.

~Keller, Stolz



Chlorophyll concentration from satellite with HAB areas shown by red polygon(s).

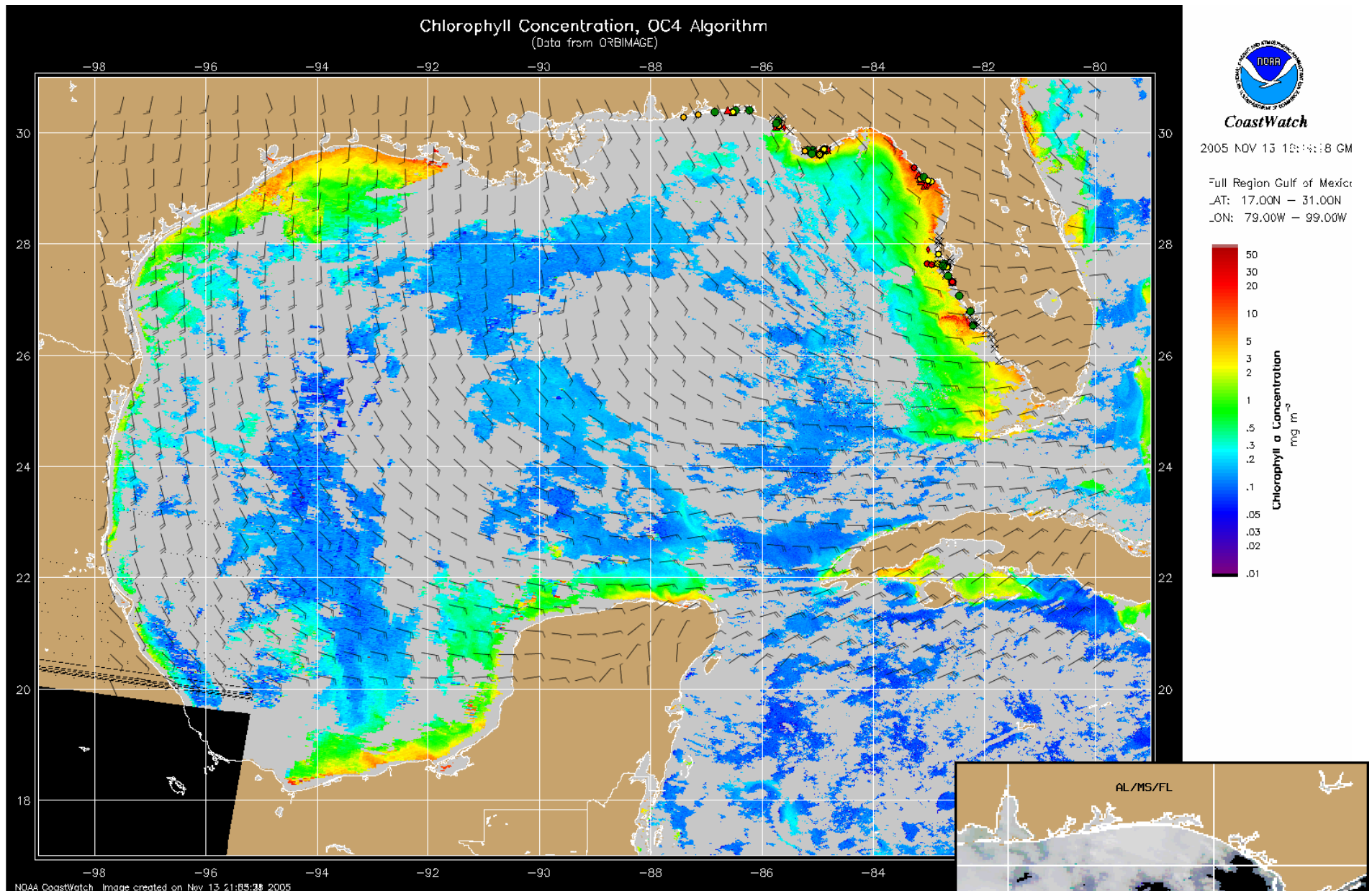


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

NW Florida: Easterly to southeasterly winds today through Tuesday (5- 10 knots, 3-5 m/s). South winds Tuesday night (5 -10 knots, 3-5 m/s), with westerlies on Wednesday (10 knots, 5 m/s). Strong north winds Wednesday night (20 knots, 10 m/s). Northeast winds on Thursday (15 -20 knots, 8 -10 m/s).

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Chlorophyll concentration from satellite and forecast winds for November 15, 2005 12Z with cell concentration sampling data from October 31, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis)